Corbettmaths

Draw $x^2 + y^2 = 4$

Write down the equation of the tangent of the circle at (0, 2)

Hours, h	Frequency
$0 < h \leq 5$	27
$5 < h \leq 10$	44
$10 < h \leq 15$	21
$15 < h \leq 20$	8

Two students are selected at random. Find the probability that both students revised for more than 15 hours.

Find the possible values of x

$$27^x = 3^{x^2}$$

Find the coordinates of the maximum point of the curve

$y = -x^2 + 6x - 1$